		-50,10		
	ecology a	nd enwironment. 1:	ne	522
	SITE	S A F D T Z	AT	
				Version 988
	A. G	EMERAL IPPORMATION	7	
Project Title: 915 S	KILDARE	Project No.:	ZT2051	
		TDD/Pan No.:	TOS - 9406-024 FIL	08415AA
Project Manager: Milu C Mo	majni	Project Dir.:	Tom Kouris	
Location(8): 915 5. Ki	Idare			
Prepared by: Mille (Mana)	<u>``</u>	Date Prepared	1: 8/2/94	
Approval by:		Date Approved	1: 8/2/94	
Site Safety Officer Review:	Shestenor	Date Reviewed	1: 8/2/94	
Scope/Objective of Work:	ite assessment		y; written it aboto	<u>documentation</u>
multi-magia Same	sing (drom, d	ebris puddled	water)	
Proposed Date of Field Activit	105: -8/3/94	8/16/94		
Background Info: Complete:	t t	Preliminary (N data available	o analytical (X)	
Documentation/Summary:				
Overall Chemical Hazard:	Serious [Low [1	Moderate [] Unknown [X]	
Overall Physical Hazard	Serious (X Low (1 1	Moderate [] Unknown []	
		. 		
	B. SITE/	WASTE CHARACTERISI	rics	
Waste Type(s):				
Liquid [X]	solid [X] si	ludge []	Gas/Vapor [💢]	
Characteristic(s):				
Flammable/ [X] Ignitable	Volatile [X] Co	rrosive []	Acutely [] Texic	
Explosive [X]	Reactive [] Ca	rcinogen []	Radioactive* []	

Below

Grade

Other:

Cut

Confined* [

Heat/Cold [X]

Space

Burn

Stress

r **X** 1

r **X** 1

Trip/Fall

Splash

t X t

Other: _____Physical Hazards:

Puncture

Noise

Overhead [X]

IXI

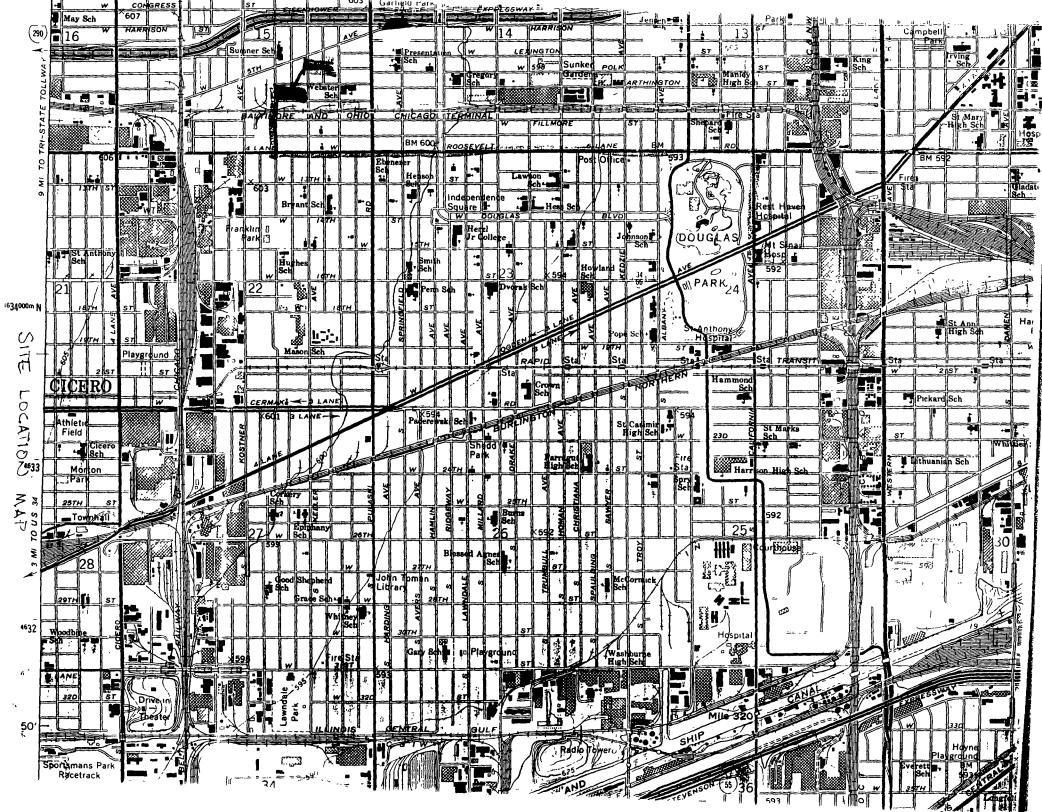
^{*}Requires completion of additional form and special approval from the Corporate Health/Safety group. Contact RSC or HQ.
HSO18A(04/02/91)

Site History/Descripti	on and Unusual	Fastures (see Same	nling Plan for detai	led description):	The site
			p of construction		
block in the		•	p o Gasting	1 Marena 3 L	overing an entire
			paid to be un	Parasis D to K	
•		, , , <u> </u>		and some lare	2 11111
•		might be p		~ ~	tout dali
			- over 30,000	1003 W COV	SHIRTING WEBIS OF
site, but oth	er materia	(Chemicals) ar	e Unknown -		
Site Currently in Op	peration Ness_is_c	verently a ci	ry-lead [emoval	عطأيء مسان	syst the site.
		C. HAZAI	RD EVALUATION		
List Physical Hazards b		drum sampling - ex enced in Section D)		lling - noise haza	rd, etc.) and number
Task/Physical Hazard Ev	aluation: 1.	Site lean - 1	ent stress slipting	fall overhead.	below grade, punctus.
			verhand, below q		
V		: /	cut puncture, &		D''
debis sampling	u	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, .	ce below draw	Q
5.) · · · · · · ·	TICSS / AND INTO	Pall , Col , Porter V	, 30.02 0101	
					-
			 	· · · · · · · · · · · · · · · · · · ·	
7					
·					
Themical Hazard Evaluat	ion:				
Compound	PEL/TWA	Route of Exposure	Acute Symptoms	Odor Threshold	Odor Description
DIESET		W. IH.E. SK	IR.F.RT, DZ, HN		DIESTL SMELL
FUEL OIL #4		10,1H, E, SK	· n'		OLLY SMELL
FUEL OIL #2		11	þ		1,
TO/LIENE	100 30-	IN. HI, E, SK	IR-RT, F, H, DZ	1,6 200	aromatic
TCE	50 pp-	IN IH E,SE		1.6 ppm 21.4 ppm	Suscet
		, , ,			
	-				
	- <u></u>				
ote: Complete and atta	ch a Hazard E	valuation Sheet for	r major known contam:	nants. Codes for	C.H.E. below;
B = ABDOMINAL PAIN C = ACHES N = ANEMIA V = BLURRED VISION = COUGHING = WEAKNESS = HEADACHES	DA = DERI DI = DIAI DS = DIST DP = CNS DR = DROV CD = CONT	MAL ABSORPTION RRHEA IRESSED STOMACH DEPRESSION	IH = INHALATI IN = INGESTION IR1= IRR OF E. IR = IRRITATION E = EYES DZ = DIZZINES	ON A = 1	OCULAR SKIN CONTACT ULCERATION VOMITING MOUTH CHEST PAIN

Site Nam	•	
Job No.		
TDD/PAN		

SITE HISTORY (Continued)

John Ehr	istopher a as the allegedly	notalous c	Lichan	huisnes	Th as	(AKA	الاج! د	$\mathcal{I}_{\mathcal{O}_{\mathcal{C}}}$) 15	
1.stal	as the	registered	eront	For	Crush	- A11	Inc.	the	Compay	``
that	allegedly	dumond	+ 1	materia	tol	the	915	S,	Kildice	3150-
	0 0									
			·							
										
										
										
		 								
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										· · · · ·
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				7				•		
				-						
										
				·						
									 .	



D. SITE SAPETY WORK PLAN

Site Control.	Attach map, use back of this page	or sketch of site showing hot	zone, contamination reduction
	zone, etc.		^

Y N
Perimeter identified? [] [K] Site secured?

7 3 N

Personnel Protection (TLD badges required for all field personnel):

Anticipated Level of Protection (Cross-reference task numbers to Section C):

	A	В	С	D
Task 1			X	7
Task 2			X	1
Task 3		×		
Task 4		K	X	

(Expand if necessary)

Modifi	cations:	_	•
Action	Levels	for	Evacuation of Work Zone Pending Reassessment of Conditions:
0	Level	D:	0, <19.5% or >25%, explosive atmosphere >10% LEL, organic vapors above background levels, particulates > N/A mg/m³, other
0	Level	c:	0, (19.5% or >25%, explosive atmosphere >25% LEL (California-20%), unknown organic vapor (in breathing zone) >5 ppm, particulates > $\frac{\nu}{\hbar}$ mg/m ³ , other
۰	Level	в:	0, (19.5% or >25%, explosive atmosphere >25% LEL (California-20%), unknown organic vapors (in breathing zone) >500 ppm, particulates > $\frac{N}{k}$ mg/m ² , other
•	Level	A :	0, (19.5% or >25%, explosive atmosphere >25% LEL (California-20%), unknown organic vapors >500 ppm, particulates > N/A mg/m², other

Contaminant of Interest	Type of Sample (area, personal)	Monitoring Equipment	Frequency of Sampling
Volatile Organics	aten	HNO	Continue
tot, O. , LEL	17	C(-1	Continos
radiation	Personal	TLD	Continous
······································			

(Expand if necessary)

Air Monitoring (daily calibration unless otherwise noted):

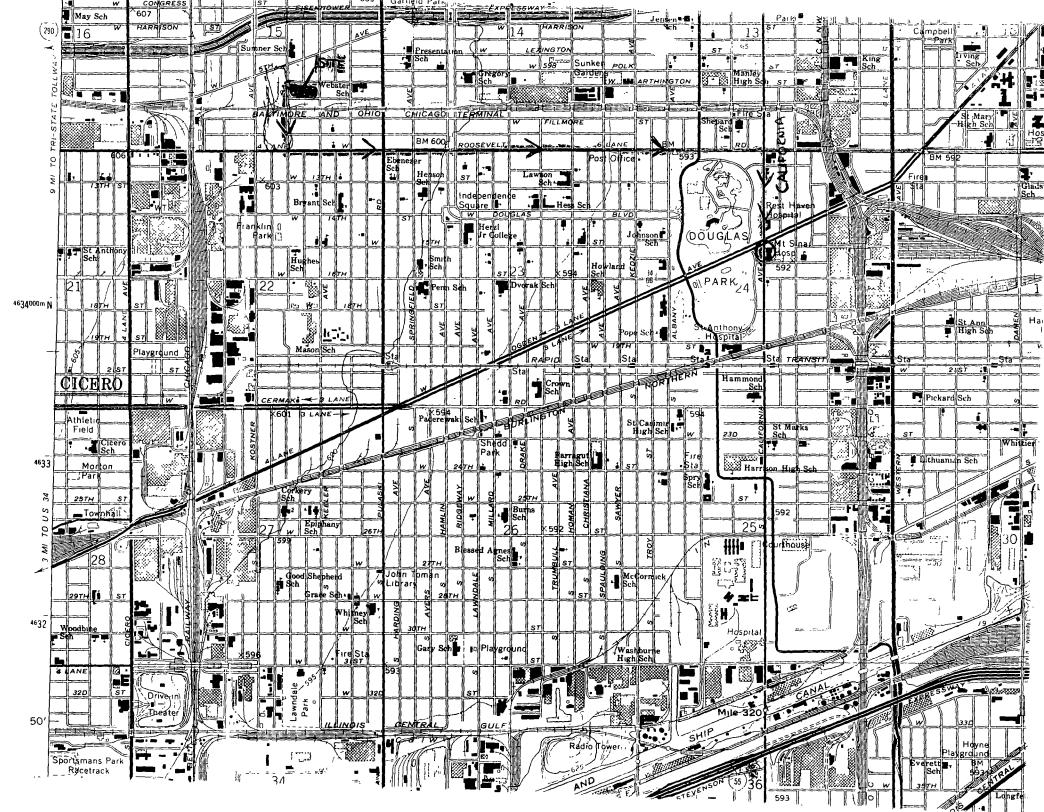
Decontamination Solutions and Procedures for Equipment, Sampling Gear, etc.:	•
Non disposable sampling east to be washed of Alconox s	iola and
triple ringed & Air monitoring equipment will be wifed on p	gar buch of
voter disposable equipment will be left on-site with osc/pr	operty owner
permission-	d
HS018A(04/02/91)	

Personnel Decon Protocol: Din dicon	. All por will be double bassed
and left on-site w/ permis	C 1 To A 1
will wash hands w/ DT wat	N' LI I C
Site.	The second secon
Decon Solution Monitoring Procedures, if Applicable	•: N/A
Special Site Equipment, Facilities, or Procedures Must Meet 29 CPR 1910.120): All investigations	Use conducted during daylight hours
Site Entry Procedures and Special Considerations:	Permission will be obtained prior to site entry. Stay upwind
of contamination when possible. The buddy system	will be maintained at all times.
Work Limitations (time of day, weather conditions.	etc.) and Heat/Cold Stress Requirements:
Work is restricted to daylight hours only and worke	ers are to be monitored for heat cold stress. When
vermiculite is used to pack samples, dust masks wil	il be worn.
General Spill Control, if applicable:	
	- -
site owner/operator	
Sample Handling Procedures Including Protective Wea	the sample bottles will be decontaminated by washing (not
	rinsing in distilled water. The protective clothing level
	activities will be maintained while decontaminating the
will be worn while handling the bottles after decon	on professional judgement. Latex gloves, at a minimum,
Team Member*	
DAN KRIEG	Responsibility
STEVE SKARE	Team Leader
ALAN ALTUR	Site Safety Officer
TEM CALOWAY	US- EPA - OSC
1 IM LALOWAT	LEVELB BACKUP SAMPLER
*All entries into exclusion zone require Buddy Systemonitoring program and have completed applicable to meets requirements of 29 CFR 1910.134, and ANSI 28	em use. All E & E field staff participate in medical raining per 29 CFR 1910.120. Respiratory protection program 8.2 (1980).

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MEDTOX HOTLINE

1	Twenty-four hour answering service: (501) 370-8263
	What to report:
	- State: "this is an emergency."
	- Your name, region, and site.
	- Telephone number to reach you.
	- Your location.
	- Name of person injured or exposed.
	- Nature of emergency.
	- Action taken.
2.	A toxicologist, (Drs. Raymond Harbison or associate) will contact γ ou. Repeat the information given to the answering service.
3.	If a toxicologist does not return your call within 15 minutes, call the following persons in order until contact is made:
	a. 24 hour hotline - (716) 684-8940 b. Corporate Safety Director - Paul Jonmaire - home * (716) 655-1260 c. Assistant Corp. Safety Officer - Steven Sherman - home * (716) 688-0084 d. Chicago Health & Safety Manager - Dean Tiebout - home * (312) 338-4423 EMERGENCY ROUTES
	(NOTE: Field Team must Know Route(s) Prior to Start of Work)
Dir	ections to hospital (include map) Learn South on Kildwe to ROOSEVELT. TURN LEFT (EAS
	go down Rousewit to CALIFORTHA TURN Right (south) to Ogden Lospital
	is at the corner of california + Ogdan.
	J
Eme	rgency Egress Routes to Get Off-site TBD Exit St. Dr Kilder, mut it color of Kilder + polk.
HSO:	18A(04/02/91)



		Job/PAN	
Warehouse Phone (312) 775-7763	P. EQUIPME	NT CHECKLIST Team Leader	
PROTECTIVE GEAR			·
Level A	No.	Level B	Ro.
SCBA		SCBA	3
SPARE AIR TANKS		SPARE AIR TANKS	3
ENCAPSULATING SUIT (Type)		FROTECTIVE COVERALL: Type TYVEK /SARANG	
SURGICAL GLOVES (Latex)		sh	4/6
NEOPRENE SAFETY BOOTS	1	EUTYL APRON	
BOOTIES (Latex)		SURGICAL GLOVES (LATEX)	J 8x
GLOVES: Type		GLOVES: Type Nopinc	_
SR H L		SM L	1 BX
OUTER WORK GLOVES		REOPRENE SAFETY BOOTS	
CASCADE SYSTEM		POOTIES (LATEX)	9 pr
5-MINUTE ESCAPE MASK		EARD HAT	×
COOLING VEST		FACE SHIELD	
HAPD HAT		MANIFOLD SYSTEM WITH AIRLINE	
		CASCADE SYSTEM	
Level C		FAIN SUIT	
ULTRA-TWIH RESPIRATOR	X	OUTER WORK GLOVES	
POMER AIR PURIFYING RESPIRATOR			
CARTRIDGES (Type GMC - H)	12	Level D	
PROTECTIVE COVERALL: TYPE TYVEK SARANGE	,	ULTRA-IWIN RESPIRATOR (Available)	
SH H L	6/6	CARTRIDGES (Type)	
BUTTL APROM		S-MINUTE ESCAPE MASK (Available)	
SURGICAL GLOVES (LATEX)	1 8x	FROTECTIVE COVERALL: Type TYVEK/SARANEL	
GLOVES: Type Noprile	1	SM N XL	6/6
SH H L	1 BZ	OUTER WORK GLOVES	
OUTER WORK GLOVES	<u>.</u>	EARD HAT	Х
GLOVE LINERS		FACE SHIELD	
PACE SHIELD		EAIN SUIT	
BARDRAT	×	WINTER BOOTS	
RAIS SUIT		POOTIES (LATEX)	9 pr
MEOPRENE SAFETY BOOTS		REOPRENE SAFETY BOOTS	
BOOTIES (LATEX)	9 p/.	STEEL TOED BOOTS	×
STEEL TOED BOOTS	×	SAFETY GLASSES	X

INSTRUMENTATION	No.	DECON EQUIPMENT	No.
OVA		WASH TUBS	
THERMAL DESORBER		BUCKETS	
			2
02/EXPLOSINETER W/CAL. KIT	<u> </u>	SCRUB BRUSHES	 '
PHOTOVAC TIP		PRESSURIZED SPRAYER	
HHu (Probe 10.2 OR 11.7)	<u> </u>	DETERGENT (Type Akonex)	1
HAGNETOHETER	ļ	SOLVENT (Type)	<u> </u>
PIPE LOCATOR		PLASTIC SEESTING	ļ
WEATHER STATION		TARPS AND POLES	ļ
DRAEGER PUMP, TUBES		TRASH BAGS	
BRUNTON COMPASS		TRASH CARS	
HOHITOX CYANIDE		HASKING TAPE	
HEAT STRESS MONITOR		DUCT TAPE	1 101
MOISE EQUIPMENT		PAPER TOWELS	1 "
PERSONAL SAMPLING PUMPS (Type)	FACE MASK SANITIZER	
DUST MONITOR (MDA OR GCA System)		FOLDING CEAIRS	
		STEP LADDERS	
RADIATION EQUIPMENT		DISTILLED WATER	3 gallons
TLD BADGES	X		
DOCUMENTATION FORMS			
PORTABLE RATEMETER			
SCALER/RATEMETER		SAMPLING EQUIPMENT	
Wal Probe		80 OZ. AMBER GLASS BOTTLES	
InS Probe		1 L. AMBER GLASS BOTTLES	
GM Pancake Probe		40 HL. VIALS	
GM Side Window Probe		1 L. PLASTIC	
MECRO R METER / RAD-MINI		*\$ OE. GLASS	15
TOM CHANDER		130 Mb. GLASS .	R.
ALERT DOSINETER		SPOONS .	€ · 4
POCKET DOSINETER .		KNIVES	
		FILTER PAPER	
PIRST ALD EQUIPMENT		PERSONAL SAMPLING PUMP SUPPLIES	
FIRST AID KIT	1	BUCK CALIBRATOR .	
ONIGEN ADMINISTRATOR	1	HAND BAILERS	
STRETCHER		THIEVING RODS WITH SOURS	12
			4
PORTABLE EYE WASH		DIOXIN SAMPLE KIT	ł
PORTABLE EYE WASH BLOOD PRESSURE MONITOR		DIOXIN SATPLE KIT PRESERVATIVES: HEO3 TO NAOH Other	<u> </u>

VAN EQUIPMENT	No.	MISCELLAMEOUS (Cont.)	No.
TOOL KIT		HEARING PROTECTION	
HYDRAULIC JACK	 	LIFE VESTS	
LUG WRENCH		WALKIE-TALKIE	
TOM CHAIN		CONDUCTIVITY HETER	
VAN CHECK OUT	ļ — — — —	PH METER	
Gas		CAMERA	
011		WATER-LEVEL INDICATOR	- '
Antifreeze		SPLIT SPOON SAMPLERS	
Battery		PVC HAND PUMP	†
Windshield Wash	 	RESISTIVITY METER	
Tire Pressure		WELL POINT SAMPLER	
		ROBAIR PUMP SYSTEM	<u> </u>
MESCELLAREOUS		THERMONETER	
CHALK		MASTERFLEX PUMP & FILTER APPARATUS	
LEVEL/TRIPOD AND ROD		SHIPPING EQUIPMENT	<u> </u>
BOWLS	2	COOLERS	Z
PITCHER PUMP		PAINT CAMS WITH LIDS, 7 CLIPS EACH	
SURVEYOR'S TAPE		VERMICULITE	
100 FIBERGLASS TAPE		DUST HASK	
300 NYLON ROPE		SHIPPING LABELS	
NYLON STRING		DOT LABELS: "DANGER"	
SURVEYING PLAGS		"UP"	
PILM	2 rolls	"INSIDE CONTAINER COMPLIES"	
MHEEL BARROW		"HAZARD GROUP"	
BUNG WRENCE		STRAPPING TAPE	
SOIL AUGER	1	BOTTLE LABELS	
PICK		BAGGIES	
SHOVEL)	CUSTODI SEALS	
CATALITIC HEATER		CHAIN-OF-CUSTODY FORMS	
PROPARE GAS		PEDERAL EXPRESS FORMS	
BANKER TAPE		CLEAR PACKING TAPE	
SURVEYING METER STICK			
CHAINING PINS & RING			
TABLES			
WEATHER RADIO			
BINOCULARS			
REGAPHONE			

Vehicle Safety Checklist Ecology & Environment, Inc. Chicago Office

Date:		Time:	Odometer:
Vehicl	e Hodel:	Color:	License Plate No.
INTERI	OR:		HECHANICAL OPERATION:
	ll Safety Belts-I	Proper Locking	Engine (misses, knocks, etc.)
	arking Brake	•	
	-		Check Oil Vater/Anti-freeze
START	engine:		Viper Fluid
0	il Pressure		Viper Fluid Brake Pluid
I	nstrument Panel		
• •	Varning Lights of	r Buzzers)	OUTSIDE:
8	ora		Tires (properly inflated)
v	indshield Viper	Vasher	Gas Tank Cap
	leater/Defroster		
H	irrors		EKERGENCY EQUIPMENT:
	orn indshield Viper leater/Defroster lirrors lteering (Loose) interior Lights Laergency Flasher ltarts Properly		Fire Extinguisher First Aid Kit Plags, Flares, Spare tire (properly inflated) Tire Changing Kit
1	interior Lights	•	First Aid Kit
1	Mergency Flasher	\$	Plags, Flares,
	Starts Properly		Spare tire (properly inflated)
		•	Tire Changing Kit
PRONT	-		(jack, tools, etc.)
	leadlights (Dim/B	right)	
1	leadlights (Dim/B Turn Signals Pmargancy Flasher:		REMARKS:
1	Emergency Flasher	S	
RRAR:			
	Tail Lights		
	Brake Lights		
;	Back up Lights Turn Signals Françancy Flasher		
	Energency Flasher	s	
TEAM	MEMBER/OPERATOR:	(print name)	signature
STTE	MANR/ADORESS: 4	(herne name)	. signature
PAN/J	OB NUMBER:	3	
			CLE TO DUTY STATION
		PRICE OF ARHIC	TR 10 DOLL SIMILOR
Vehic	le Cleanliness:		
Renai	ks:		
			
Corre	ections Necessary:		
	NEMBER/OPERATOR:		
1 294	SEUDEN AL PROTANCE	(print i	name) signature
Data	!	tine:	Manatara
Da CE	•		Odometers

SITE SAFRTY MEETING (Must be filled out by Site Safety Officer at the site)

Project	TDD:	PAN #:
Site Safety Officer :	Date	Time
Address:		
Type of Work:		
	SAFETT TOPICS PRESENTED	
Protective Clothing/Equipment:		
 		
Chemical Hazards:		
Physical Hazards:		
Radiation Hazards:		
Emergency Procedures:		
		
Hospital/Clinic:	Telephone:	
Hospital Address:		
Special Equipment:		
Others:		
Checklist		
1. Emergency information reviewed? Y/2. Route to nearest hospital explained as 3. Site safety plan readily available and the site safety meeting shall be attended informational update meetings will be help	nd reviewed? Y / R and its location dits location known to all team membed by all personnel who will be working	known to all team members? Y/N ers? Y/N g within the site area. Daily
	ATTENDANCE	
PAN KRIEG Steve Skare TIM CAlloway	Steven Timothy Cal	Spare 8/16/94 Bloway 8/16/94
EETING CONDUCTED BY:		

ECOLOGY AND ENVIRONMENT, INC. - CHICAGO

Site Name:		Wind Direction:	PAN/TDD:	/	
		wind Direction: _	weather _		
EQUIPMENT	ID#	CALIB./OPER. CHECK	INITIALS & DATE	BACKGROUND READING	ON-SITE READIN
OVA					<u> </u>
HNu				 	<u> </u>
Photovac Tube	·	- 		 	
02 Meter					
Exposimeter					
Combo-meter					
Rad-MINI					
Monitor-4					
Draeger tubes					
Monitox					
OTHERS:					
rotective Clothi	ng Worn:	Protective Clothing (ex:	Was the monitoring eq		ted by the
eather?)		Name)		gnature)	(Date)
te Safety Office	Pr	Print Name)	(Si	gnature)	(Date)

Please submit the original to Ron Bugg and a copy to the project file

(Revised 4/3/92)

SITE DISINETER LOG

PROJECT/PAN \$			SITE NAME				
SITE SAFETY OFFICER			VEEK OF				
NAME AND	HONDAT	TUESDAY	VEDNESDAY	THURSDAY	FRIDAT	SATURDAY	SUNDAY
							-
	-						

To the nearest half-hour, record time spent downrange as "S" (e.q., S:2.5hrs), time spent in active PDS operation as "P", and any time spent downrange in rescue activity as "R".

THE SIGMA-AL_AICH LIBRARY OF CHEMI. L SAFETY DATA Explanation of Codes

PROCEDURES FOR SPILLS OR LEAKS

- Absorb on sand or vermiculite and place in closed container for disposal.
- 2 Cover with dry lime, sand, or soda ash. Place in covered containers using nonsparking tools and transport outdoors.
- 3 Shut off all sources of Ignition.
- 4 Evacuate area.
- 5 Cover with an activated carbon adsorbent, take up and place in signed container. Transport putdgers,
- 6 Ventilate area and wash spill site after material pickup is complete.
- 7 Sweep up, place in a bag and hold for waste disposal.
- 8 Avoid raising dust.
- 9 Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
- 10 Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
- 11 Cover with dry lime or soda ash, pick up, keep in a closed container and hold for waste disposal.
- 12 Carefully sweep up and remove.
- 13 Flush spill area with copious amounts of water.
- 14 Mix with solid sodium blcarbonate.
- 15 Place in appropriate container.
- 16 Wear protective equipment.
- 17 Wash spill site with soap solution.
- 18 Please contact the Technical Services Department. Be sure to mention the name and catalog number of the material.

FIRE-EXTINGUISHING MEDIA

- 1 Carbon dioxide.
- 2 Dry chemical powder.
- 3 Water spray.
- 4 Alcohol or polymer foam.
- 5 Class D fire-extinguishing material only.
- 6 Water may be effective for cooling, but may not effect extinguishment.
- 7 Carbon dioxide, dry chemical powder, elcohol or polymer foam.
- 8 Foam and water spray are effective but may cause frothing.
- 9 Do not use dry chemical powder extinguisher on this material.
- 10 Do not use carbon dioxide extinguisher on this material.
- 11 Noncombustible.
- 12 Do not use water.
- 13 Use extinguishing media appropriate to surrounding fire condition



6. FIRE NAZABOS 6.1 Peach Pointe (1-D) 10 TF CC (2-C) 6.2 Parametels Lambs in Agr. 13-60 6.3 Five Estimpulating Agents Dry closm, or carbon docube (4-C) Five Estimpulating Agents Mort Estimpulating Agents Mort Estimpulating Agents Mort Estimpulating Agents Mort Production Mort Producti		7 CHEBICAL REACTIVITY 7.1 Reactivity with Value: No nucco 7.2 Reactivity with Common Maleura machine 7.3 Standing Duming Transpert Stable 7.4 Standing Duming Transpert Stable 7.5 Standing Duming Transpert Stable 7.6 Per		E. WATER POLLITION 4.1 Aquain Tocking: 204 mg/l/24 tr/juvene Amera 204 mg/l/24 tr/juvene Amera 4.2 Welenfown Tockings > 20 m/l/g 4.3 Bookepas Tockings Comment (BOO Deta one evaluable	L4 Food Chain Concentration Potent	9 SHIPPING INFORMATION 8.1 Grades of Purity Description for 1-2 Description Temperature: Antoent 8.2 Branch Temperature: Antoent 8.3 heart Atmosphere: No requirement 8.4 Venting: Open (fame arrestor)
Comments Syntamyses Oby Inquid Yelice-brown Lube or fuel of odor Fuel od odor Fuel od 1-0 Fuel od 1-0 Fuel od 2-0 Fuel od 2-0 Stop osechwige in costole Call for december of the odor of t	Contestible Enrysea with or chemical foun or carbon dozes Walter may be enfective on the Cool exposed contents with water	CALL FOR MEDICAL AID LIGURD Immany or sen and even. Immany or sen and even. Remark of independent control and shoes. Remark of independent control and shoes. For mit CMS independent ones and tusts with peems of water FORMILLOWED and vector or CONSCIOUS. Nave vector drive or mit OR NOT INDUCE VOMITING	Water County to stream. Water May be dispersed in 4 evens water strates. Pollution keep ocal heath and wides offices. Hoth correct of neathy water strates.	1. RESPONSE TO DISCULANCE 2. LABEL (See Response skellings Hamiltonin) 2.1 Category: None Lectionical contaminant Shauld be removed Oversial and physical treatment	2. CHEMICAL DESIGNATIONS 2.1 CO Computation Chem. Machinerous 4.1 Physical Basis (as ehipped); Load Hydrocation Machinerous 2.2 Fermals: Not applicable 3.3 MOVAN Designation: 2.1/12.70 3.4 DOT to Not 1270 3.4 CAB Regionsy Not. Cats not evalable 3.5 CAB Regionsy Not. Cats not evalable	1. HEALTH HAZARDS 1. Personal Protective Equipment Coppes of Itco annext 2. Symptoms Following Exposure: I state to represent, an exposured trequency of bowel movement well occur 1.3 Treatment of Exposure: HAZESTON: On NOT relace vormeing, SKIN's upp off, seesh with coops and water EYES, wash with copicus amounts of water for at least 15 mm. 1.4 Threshold Limit Value: No supplication 2.4 Threshold Limit Value: No supplication 2.5 Threshold Limit Value: No supplication 3.6 Totaldry by Impensions Carate 1, LD+ = 5 to 15 g/lig 2.7 Lat Totaldry by Impensions Carate 1, LD+ = 5 to 15 g/lig 2.7 Lat Totaldry by Impensions Carate 1, LD+ = 5 to 15 g/lig 3.7 Lat Totaldry by Impensions Carate 1, LD+ = 5 to 15 g/lig 3.7 Lat Totaldry by Impensions Carate 1, LD+ = 5 to 15 g/lig 3.7 Lat Totaldry by Impensions Carate 1, LD+ = 5 to 15 g/lig 3.8 Totaldry by Impensions Carate 1, LD+ = 5 to 15 g/lig 3.9 Vapor (Rate of Doble Influee Carate 1, LD+ = 5 to 15 g/lig 3.1 Cataldry by Impensions Carate 1, LD+ = 5 to 15 g/lig 4.10 Oder Threshoots Carate and redeeming of the size. 4.11 CALA Value: Data not evaluable 8.11 CALA Value: Data not evaluable

10. HAZARD ASSESSMENT CODE (See Hezzu'd Amerikanick) A-T-JJ	11 LAZARD CLASSIFICATIONS 111 Code of Pedrare Progedelesses Contraction for the State of Wale Water 112 MAS Natural States of the Water Transportation for the disch 113 MPA Husare Chestification Health Husare Chestification Health Husare (Stat) Chestification Health Husare (Stat) Chestification Chestifica	12. Prinsida, AND CHEBICAL PROPERTIES 12. Memorum Weight Not perment 12.3 Memorum Weight Not perment 12.3 Memorum Weight Not perment 12.3 Memorum Weight Not perment 12.4 Memorum Weight Not perment 12.5 Memorum Weight Not perment 12.6 Critical Temperature Not perment 12.7 Specific Grandly 12.1 Critical Temperature Not perment 12.2 Memority Desir 10°C (Agas) 12.3 Levis Temperature Not perment 12.4 Levis Temperature Not perment 12.5 Levis Temperature Not perment 12.6 Levis Grandly 12.6 Levis Temperature 12.1 Memority Temperature 12.2 Memority Temperature 12.3 Memority Temperature 12.4 Memority Temperature 12.5 Memority Temperature 13.4 Memority Temperature 14.4 Memority Temperature 15.4 Memority Temperature 15.4 M	HOTES
6. FIRE NAZARDS 6.1 Pleath Points (1-0) 100°F CC (2-0) 125°F 6.2 Flammatine Limits in Air 13-60 vol % 6.3 Five Estinguishing Agents: Dy chemical.	Let Five Estimateshing Agents Not to be Userd Wister may be needed to the Department of Behavior in Fire Ind postboard (2.7) 50-625°F (2.0) 400-645°F (2.0	L. WATER POLLITION 4.1 Aquains Totaloris 204 mg/1/24 tr/, poemie American 3.2 Westerbory Groups 20 4.3 Aquains Totalory 2.4 Westerbory 2.5 Million and Westerbory 4.5 Million and Totalory 5.5 Million and Totalory 5.6 Million and Totalory 6.7 Groups Committed 6.4 Food Chain Committed 6.5 Million 6.6 Grain Committed 6.6 Food Chain Committed 6.7 Grains of Purity Desse Fuel 1-D (ASTM) 6.8 Storage Temperature: Antoent 6.2 Million 6.3 Storage Temperature: Antoent 6.3 Million 6.4 Venting Open (Sura) 6.5 Million 6.6 Storage Temperature: Antoent 6.5 Million 6.6 Storage Temperature: Antoent 6.7 Million 6.8 Storage Temperature: Antoent 6.9 Million 6.9 Storage Temperature: Antoent 6.9 Million 6.1 Million 6.1 Million 6.2 Storage Temperature: Antoent 6.3 Million 6.4 Venting Open (Sura) 6.5 Million 6.7 Million 6.7 Million 6.8 Storage Temperature 6.9 Million 6.9 Storage Temperature 6.9 Million 6.9 Storage Temperature 6.9 Million 6.9 Storage Temperature 6.1 Million 6.9 Storage Temperature 6.1 Million 6.1 Million 6.1 Million 6.1 Million 6.2 Storage Temperature 6.3 Million 6.4 Venting Open (Sura) 6.5 Million 6.7	

FEDERAL DISPOSAL REQUIREMENTS BASED UPON FLASH POINT OF WASTE (40 CFR 261); STATE REQUIREMENTS VARY

[] VERSCHUERAN [] MERCK INDEX [] HAZARDLINE [] ACGIH [] TOXIC & HAZARDOUS SAFETY MANUAL [X] CHRIS [] SAX REFERENCES CONSULTED: [] NIOSH/OSHA POCKET GUIDE

[] OTHER:

ecology and environment. inc.

JOB NO ZT2051 HAZARD EVALUATION OF CHEMICALS PREPARATION/UPDATE DATE 7/22/93

RO.

CHEMICAL NAME: FUEL OIL. #2

CAS NUMBER DOT NAME/ID NO.. COMBUSTIBLE LIQUID UN 1223

SYNONYMS: HOME HEATING OIL

CHEMICAL AND PHYSICAL PROPERTIES:

CHEMICAL FORMULA: MOLECULAR WEIGHT: PHYSICAL STATE: LIQUID SPG/D 0.879 SOLUBILITY (H20): INSOLUBLE

VAPOR PRESS: FREEZING POINT: -20 F BOILING POINT: 540. - 640 F FLASH POINT: 136 F FLAMMABLE LIMITS:

ODOR CHARACTERISTICS: LUBE OR FUEL OIL

INCOMPATABILITIES. OXIDIZERS

BIOLOGICAL PROPERTIES:

IDLH: TLV-TWA: PEL: ODOR THRESHOLD:

HUMAN (LCLO). RAT/MOUSE (LC50): AQUATIC:

CARCINOGEN: TERATOGEN: MUTIGEN:

ROUTE OF EXPOSURE: [X] INHALATION [X] EYE CONTACT [X] SKIN CONTACT [X] INGESTION

HANDLING RECOMMENDATIONS (PERSONAL PROTECTIVE MEASURES):

NORMALLY LEVEL D; IN CONFINED SPACES USE AIR SUPPLIED RESPIRATORS; GLOVES AND PROTECTIVE COVERALLS

MONITORING RECOMMENDATIONS:

HNU, OVA, OXYGEN LEVEL; EXPLOSIVE METER

HEALTH HAZARDS:

ACUTE SYMPTOMS: HEADACHE, NAUSEA, VOMITING, CRAMPING

CHRONIC SYMPTOMS: CENTRAL NERVOUS SYSTEM DEPRESSION, KIDNEY AND LIVER DAMAGE

FIRST AID

INHALATION: REMOVE TO FRESH AIR, GIVE ARTIFICAL RESPIRATION IF NEEDED, SEEK MEDICAL ATTENTION

EYE CONTACT: FLUSH/RINSE WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING; WASH WITH SOAP AND WATER

INGESTION. DO NOT INDUCE VOMITING, SEEK MEDICAL ATTENTION IMMEDIATELY

DISPOSAL/WASTE TREATMENT:

FEDERAL DISPOSAL REQUIREMENTS BASED UPON FLASH POINT OF WASTE (40 CFR 261); STATE REQUIREMENTS VARY

REFERENCES CONSULTED: [] VERSCHUERAN [] MERCK INDEX [] HAZARDLINE [] ACGIH [] TOXIC & HAZARDOUS SAFETY MANUAL [X] CHRIS [] SAX

[] NIOSH/OSHA POCKET GUIDE

[] OTHER:

915 S. KILDARE T05-9406-024 SITE ASSESSMENT

The 915 S. Kildare site is a former concrete construction debris dumping site which is located in Chicago, Illinois. Non-permitted dumping of construction waste materials occurred during the late 1980's and early 1990's. The City of Chicago approached the U.S. EPA to investigate the site for possible contamination. TAT was tasked to perform a site inspection and possibly collect samples if needed. TAT had completed a health and safety plan for the site assessment on August 3, 1994. This scheduled site assessment was canceled by the OSC and rescheduled for August 16, 1994. On August 16, 1994 TAT performed the site inspection and collected three soil samples. The samples were delivered to NET Midwest, Inc. for analysis of TCLP metals, TCLP volatiles, TCLP semi-volatiles and Total PCBs. No contaminants were found in any of the three soil samples. The site assessment report and data validation are in the process of being completed. Activities assigned under this TDD which have not been completed will be reassigned under a new TDD during fiscal year 1995.